

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10776421
Filing Date	February 10, 2004
First Named Inventor	Dingrong Yi
Art Unit	
Examiner Name	
Attorney Docket Number	04-SU01

Sheet 1 of 3

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/LS/		US- 5,335,557	08-09-1994	Yasutake	
		US- 5,576,727	11-19-1996	Rosenberg et al.	
		US- 6,115,028	09-05-2000	Balakrishnan et al.	
		US- 5,923,318	07-13-1999	Zhai et al.	
		US- 6,101,893	08-15-2000	Wergen	
		US- 5,805,137	09-08-1998	Yasutake	
		US- 5,729,249	03-17-1998	Yasutake	
		US- 6,593,907 B1	07-15-2003	Demers et al.	
		US- 5,792,135	08-11-1998	Madhani et al.	
		US- 6,394,998 B1	05-28-2002	Wallace et al.	
/LS/		US- 6,441,577 B2	08-27-2002	Blumenkranz et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

/Leonid Shapiro/

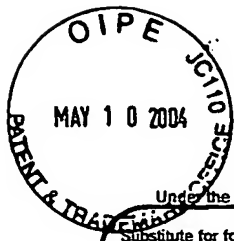
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Sheet 2 of 3

**NON PATENT LITERATURE DOCUMENTS**

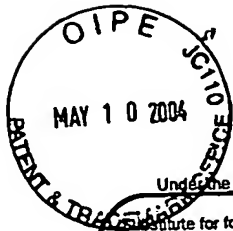
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/LS/	1	ACKERMAN et al., SMRM Abstr. 1986, p. 1131	
	2	BORNERT et al., In-Plane Position Tracking of Medical Instruments during MRI, SMRM Abstr. 1997, p. 1925	
	3	CLINE et al., Focused US System for MR Imaging, Radiology 194: 731-737, (1995)	
	4	COUTTS et al., Integrated and Interactive Position Tracking and Imaging of Interventional Tools and Internal Devices..., Magnetic Resonance in Medicine 198, 40:908-13.	
	5	DANIEL et al., Comparison of Optical and MR-Tracking..., SMM Abstr. 1997, p. 1928	
	6	DEBBINS et al., Cardiac Magnetic Resonance Fluoroscopy, Magnetic Resonance in Medicine 36:588-595, 1996	
	7	DUMOULIN et al., Real-Time Position Monitoring of Invasive Devices..., Magnetic Resonance in Medicine 1993, 29: 411-415	
	8	HARDY et al., Interactive Coronary MRI, Magnetic Resonance in Medicine 40:105-111, (1998)	
	9	KERR et al., Real-Time Interactive MRI on a Conventional Scanner, Magnetic Resonance in Medicine 38:355-367, (1997)	
/LS/	10	PARSONS, Inability to Reason About an Object's Orientation Using an Axis..., Journal of Experimental Psychology: Human Perception and Performance 21:1259-1277 (1995)	1

Examiner Signature	/Leonid Shapiro/	Date Considered	01/14/2008
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Sheet 3

of

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**Complete if Known**

Application Number

10 776 421

Filing Date

February 10, 2004

First Named Inventor

Dingrong Yi

Art Unit

Examiner Name

Attorney Docket Number

04-SU01

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/LS/	11	TPL ROBERTS et al., Remote Control of Catheter Tip Deflection..., Magnetic Resonance in Medicine, Vol. 48, No. 6, Dec. 2002, p. 1091, Vol. 48, No. 6,	
/LS/	12	SUSIL et al., Multifunctional Interventional Devices for MRI..., Magnetic Resonance in Medicine 47:594-600, (2002)	1
/LS/	13	WARE, The Visual Computer, pp 245-253, Vol. 6, (1990)	1
/LS/	14	ZHAI, Interaction in 3D Graphics, Computer Graphics 32:50-54 (1998)	
/LS/	15	ZHAI, Human Performance in Six Degrees of Freedom Input Control, Ph.D. Thesis, University of Toronto, (1995)	

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